

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

APAC-515

SERIAL NO.

10/695,673

DuWain K. Ake

FILING

October 29, 2003

GROUP

3662-2878

FEB 09 2004

U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	3,017,046	1/16/62	Runci et al.			
AB	3,469,919	9/30/69	Zellner			
AC	3,708,232	1/2/73	Walsh			
AD	3,727,332	4/17/73	Zimmer			
AE	3,790,277	2/5/74	Hogan			
AF	3,813,171	5/28/74	Teach et al.			
AG	3,887,012	6/3/75	Scholl et al.			
AH	3,894,230	7/8/75	Rorden et al.			
AI	3,900,073	8/19/75	Crum			
AJ	3,997,071	12/14/76	Teach			
AK	4,029,415	6/14/77	Johnson			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BA	2 101 077 A	1/12/83	United Kingdom				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CA	"360 degree Machine Guidance" and "Depthmaster" sales literature, by Laser Alignment, Inc. (exact date unknown, but known to be before June 12, 1989).
CB	"Laserplane Grade-Eye" sales literature, by Spectra-Physics (October 8, 1988).

EXAMINER

DATE CONSIDERED

10-31-05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>J. W.</i>	4,034,490	7/12/77	Teach			
<i>J. W.</i>	4,040,738	8/9/77	Wagner			
<i>J. W.</i>	4,050,171	9/27/77	Teach			
<i>J. W.</i>	4,129,224	12/12/78	Teach			
<i>J. W.</i>	4,162,708	7/31/79	Johnson			
<i>J. W.</i>	4,231,700	11/4/80	Studebaker			
<i>J. W.</i>	4,273,196	6/16/81	Etsusaki et al.			
<i>J. W.</i>	4,393,606	7/19/83	Warnecke			
<i>J. W.</i>	4,413,684	11/8/83	Duncklee			
<i>J. W.</i>	4,477,168	10/16/84	Hosoe			
<i>J. W.</i>	4,491,927	1/1/85	Bachmann et al.			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>J. W.</i>	CC	"Laser Control-Receiver LRE-180/360" sales literature, by MOBA Electronic (exact date unknown, but known to be before June 12, 1989).
<i>J. W.</i>	CD	"What is a Lock-in Amplifier?" Technical Note TN 1000, by PerkinElmer Instruments (2000).

EXAMINER

J. W. Ake

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U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
J. W.	4,535,699	8/20/85	Buhler			
J. W. AX	4,604,025	8/5/86	Hammoud			
J. W. AY	4,674,870	6/23/87	Cain et al.			
J. W. AZ	4,676,634	6/30/87	Petersen			
J. W. AAA	4,726,682	2/23/88	Harms et al.			
J. W. AAB	4,732,471	3/22/88	Cain et al.			
J. W. AAC	4,756,617	7/12/88	Cain et al.			
J. W. AAD	4,829,418	5/9/89	Nielsen et al.			
J. W. AAE	4,884,939	12/5/89	Nielsen			
J. W. AAF	4,907,874	3/13/90	Ake			
J. W. AAG	4,912,643	3/27/90	Beirxe			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

J. W.	CE	"Application Note #3 About Lock-In Amplifiers," by PerkinElmer Instruments.
J. W.	CF	"The Analog Lock-In Amplifier," Technical Note TN 1002, by PerkinElmer Instruments (2000).

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U.S. PATENT DOCUMENTS								
EXAMINER		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
J.H.	AAH	4,976,538	12/11/90	Ake				
J.H.	AAI	5,174,385	12/29/92	Shinbo et al.				
J.H.	AAJ	5,343,033	8/30/94	Cain				
J.H.	AAK	5,471,049	11/28/95	Cain				
J.H.	AAL	5,486,690	1/23/96	Ake				
J.H.	AAM	5,528,498	6/18/96	Scholl				
J.H.	AAN	5,682,311	10/28/97	Clark				
J.H.	AAO	5,848,485	12/15/98	Anderson et al.				
J.H.	AAP	5,854,988	12/29/98	Davidson et al.				
J.H.	AAQ	5,886,776	3/23/99	Yost et al.				
J.H.	AAR	5,925,085	7/20/99	Kleimenhagen et al.				
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
J.H.	CG	"What Is a Lock-In Amplifier?" by Boston Electronics Corporation.						
J.H.	CH	"A Lock-in Amplifier Primer," by Princeton Applied Research (1975).						
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